

*Yours Truly*

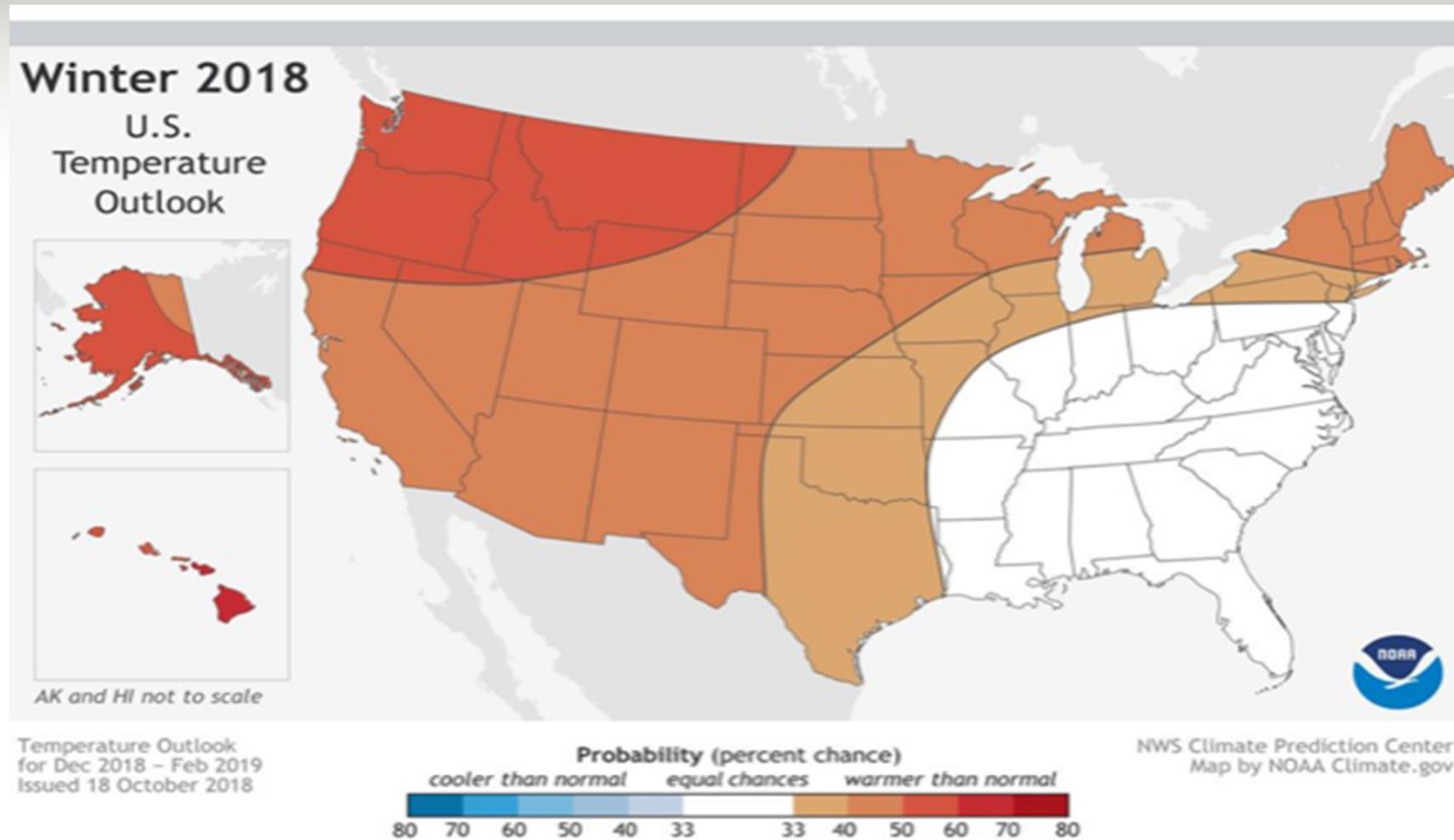
# 2018-2019 SNOW AND ICE PROGRAM

Public Works Committee  
November 27, 2018

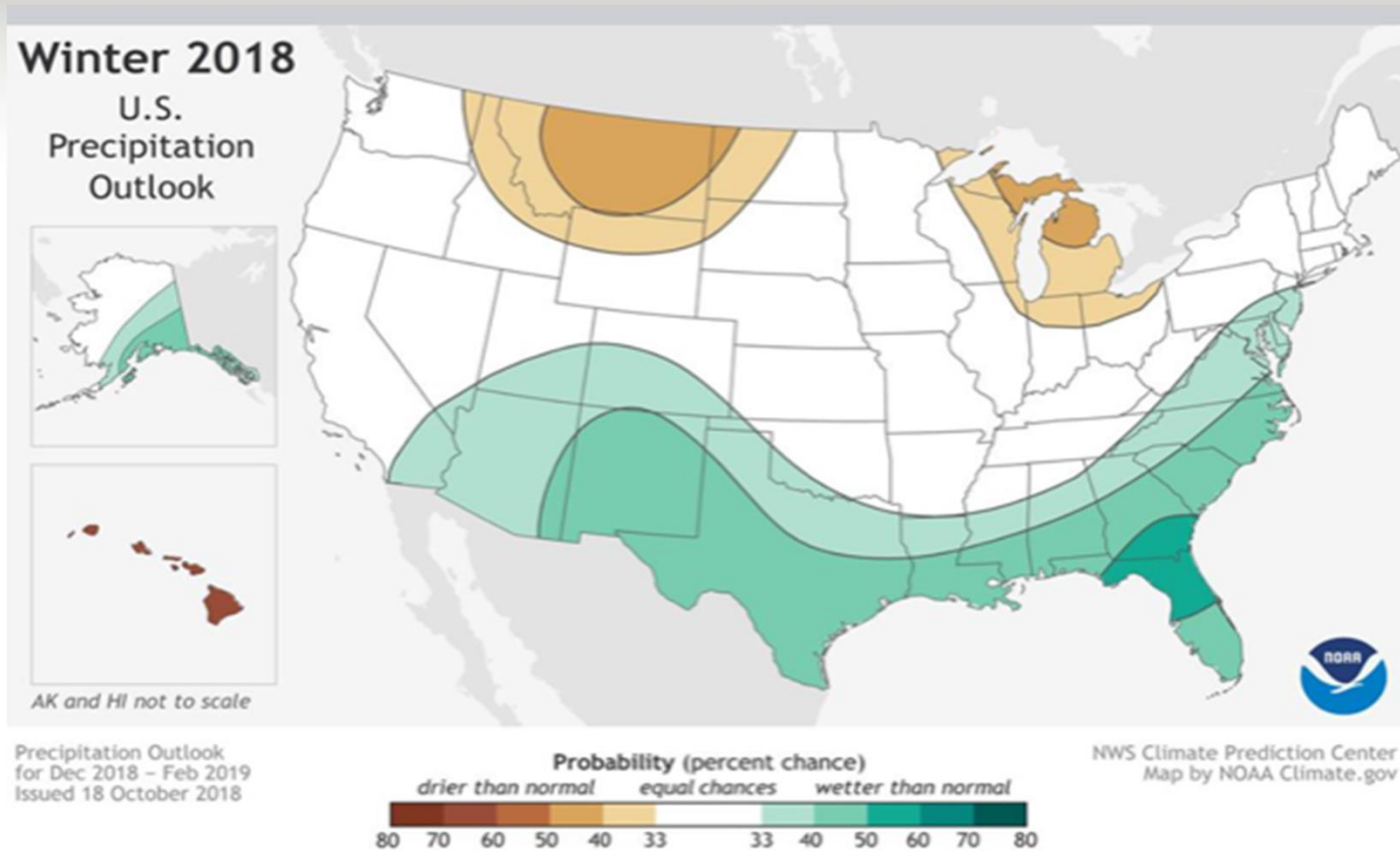
# Outline

- Predictions
- Snow/Emergency Plan Overview
- Routing Philosophy
- Residential Streets
- Communication
- Equipment
- Questions

# Temperature Prediction



# Precipitation Prediction

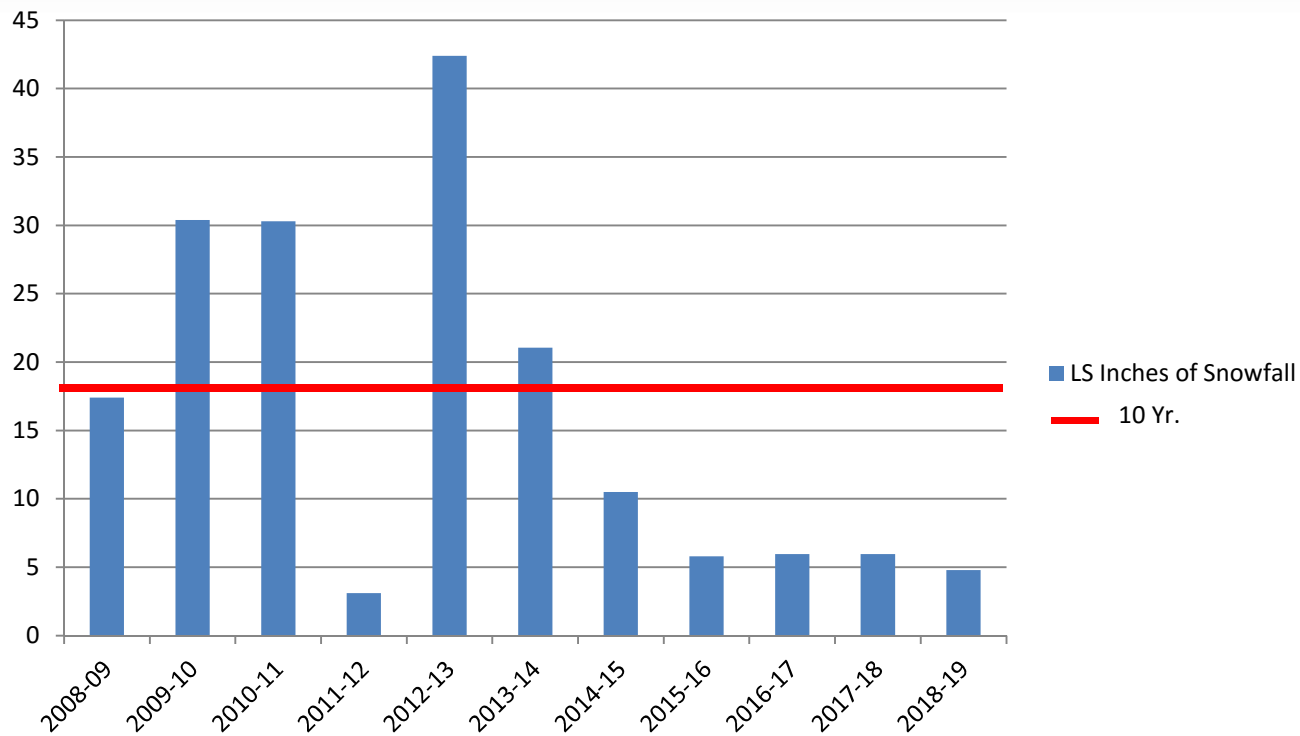


# Prediction

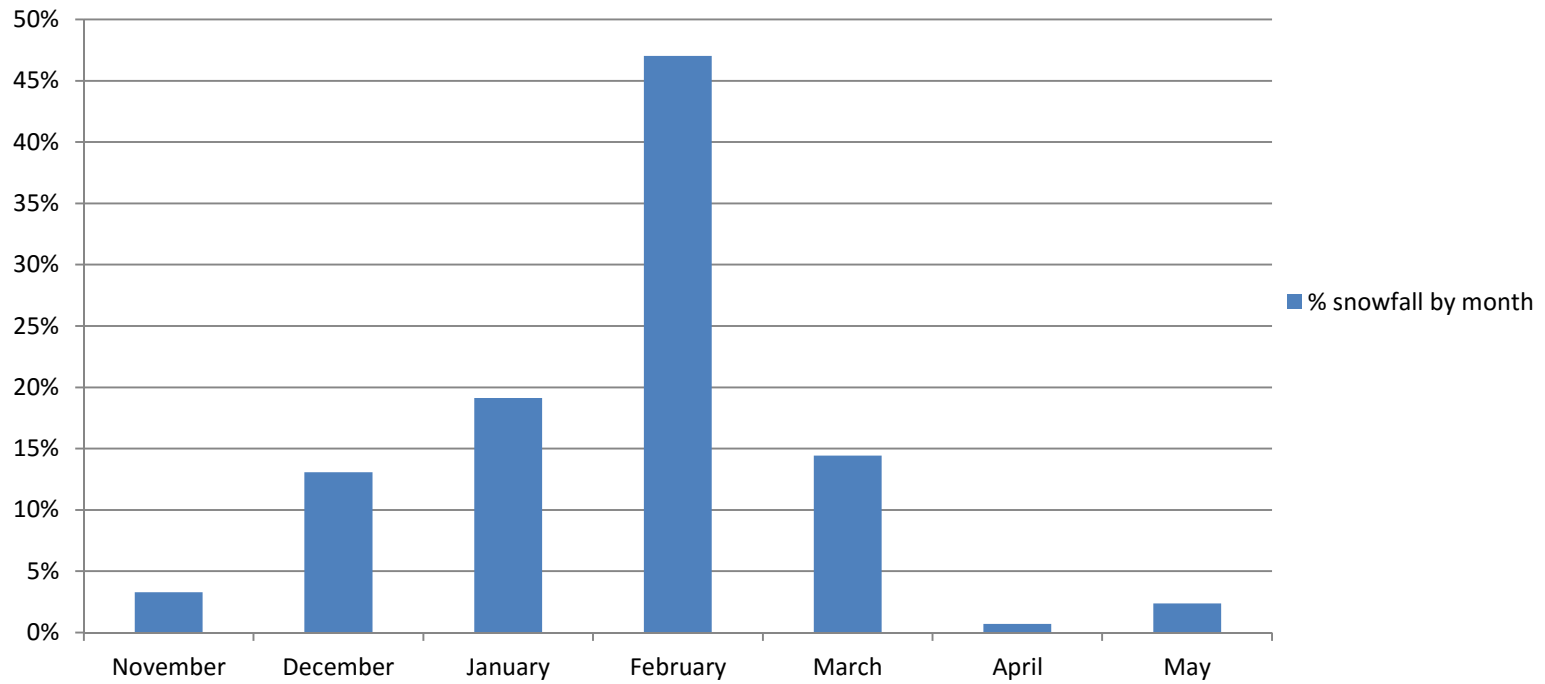


# Historical Snowfall Totals

LS Inches of Snowfall

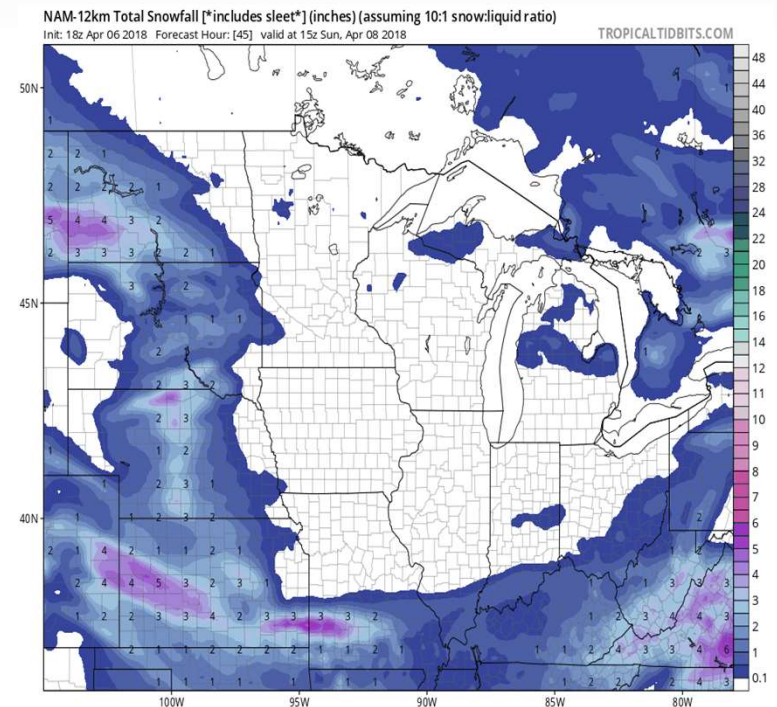


# Snowfall



# Snow Plan

- The City's Snow Plan outlines steps for the completion of storm response within **24 - 48 hours after precipitation has ended** provided that required levels of equipment and personnel are available.





# Snow Plan

- Level 1 (pre-treat)
- Level 2 (<1" of snow) 24 hrs
- Level 3 (>1" – 6" of snow) 32.5 hrs  
(>6" – 10" of snow) 40 hrs
- Level 4 (>10" or more snow) 48 hrs
- Level 5 (sustained winds >30 mph) 48 hrs

# Snow Plan

- Level 1      44 snow plow drivers
- Level 2      44 snow plow drivers
- Level 3      58 snow plow drivers
- Level 4      70 snow plow drivers
- Level 5      70 snow plow drivers

NOTE: 23 dedicated drivers from Operations. We rely on paid volunteers from other departments to fill snow plows.

# Snow Plan

## Additional drivers come from:

- Water
- Engineering
- Development Services
- Fire
- Police
- ITS
- Admin
- HR



# Snow Plan

- Common Complaints
  - The city never plows my street
  - The driver did not do a good job/bare pavement
  - The plow covered my driveway/sidewalk/hydrant
  - The city is wasting money pre-treating
  - More expensive neighborhoods get plowed first
  - My street has more houses – make it a secondary route
  - Insert a city here \_\_\_\_\_ does a better job

# LS Roadway Statistics

- Lane Miles 1031
  - Primary 270 miles
  - Secondary 206 miles
  - Residential 555 miles
- Center lane miles 473
- Cul-de-sacs 1050
- Lakewood 33 lane miles and 114 cul-de-sacs

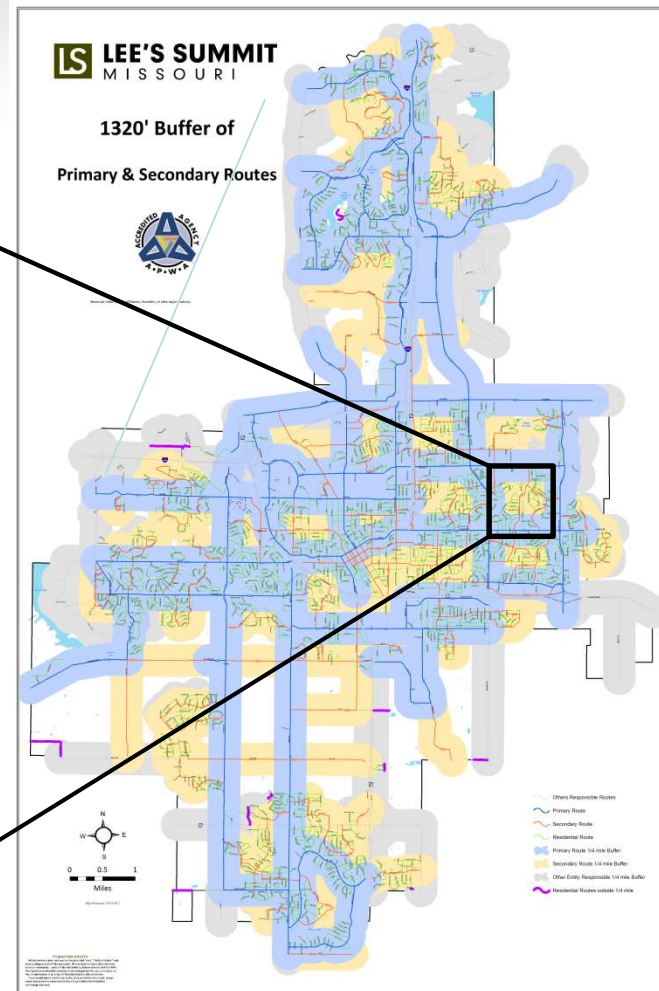
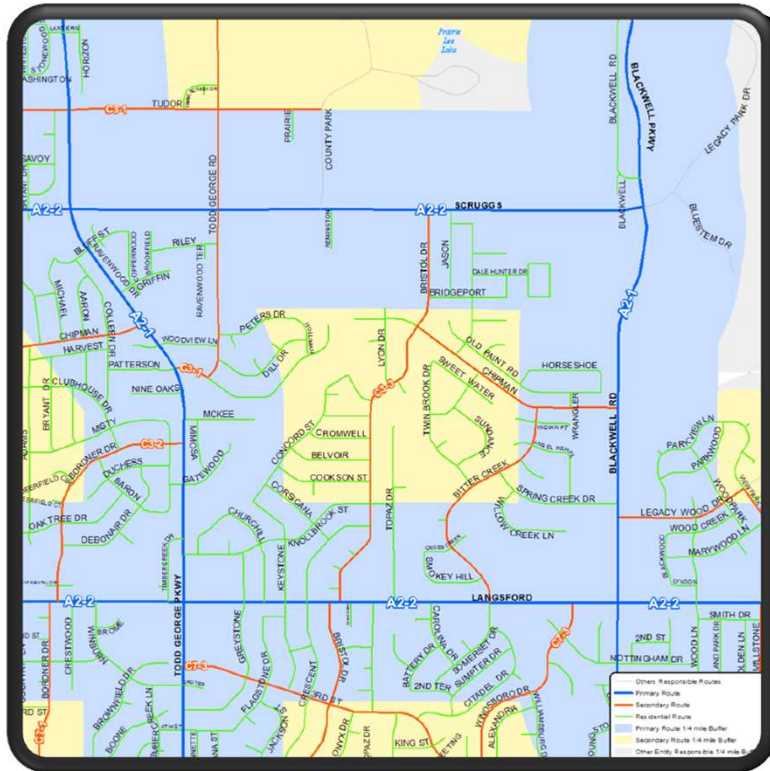
# Routing Philosophy

- Primary Routes – Four hours to complete
  - Major roads
- Secondary Routes – Eight hours to complete
  - Feeder roads to and from subdivisions
- Residential Routes – Twenty hours to complete
  - All other roads

# Routing Philosophy

- Primary streets are generally completed within four hours after snow stops.
- Secondary streets are generally completed within 12 hours after snow stops.
- It is our goal to have access to most properties within  $\frac{1}{4}$  mile of a primary or secondary street within 12 hours.

# Routing Philosophy





# Routing Philosophy

RT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
R1	Blue	White	White	Yellow	White	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
R2	Blue	Grey	Grey	Yellow	Grey	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
R3	Blue	White	White	White	White	White	Yellow	White	White	White	White	White	White	White	White	White	White
R4	Blue	Grey	Grey	Yellow	Grey	Grey	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
R5	Blue	White	White	White	White	White	White	White	Yellow	White	White	White	White	White	White	White	White
R6	Blue	Grey	Grey	Grey	Grey	Yellow	Grey	Grey	Grey	Black	Black	Black	Black	Black	Black	Black	Black
R7	Blue	White	White	White	White	White	White	White	Yellow	White	White	White	White	White	White	White	White
R8	Blue	Grey	Grey	Grey	Grey	Yellow	Grey	Grey	Grey	Grey	Grey	Black	Black	Black	Black	Black	Black
R9	Blue	White	White	White	White	White	Yellow	White	White	White	White	White	White	White	White	White	Black

# Residential Streets



# Residential Streets



# Communication

- LSsnow.net
  - Snow Plan
- Training
- Dry Run
- Event Communication
  - Media Notifications
  - LSsnow.net
  - Facebook
  - Twitter





# Communication

- The Snow Desk phone number is no longer answered during snow operations
- If someone calls the Snow Desk they will get a message
  - What to do in an emergency situation
  - When to call for a missed street
  - Leave a message for yard or mailbox damage
- Voicemail will be checked for messages that require action from Public Works

# Calls to PW Ops

- During snow operations our focus is to get the streets plowed and treated as soon as possible
- Calls to the Snow Desk do not result in a higher level of service
  - It's snowing is PW working?
    - Yes
  - Can you come clear my street now?
    - Drivers do not leave routes
  - When will a plow clear my street?
    - We are running routes and are not able to tell you

# Equipment



# Wing Plows





# Questions

